

10

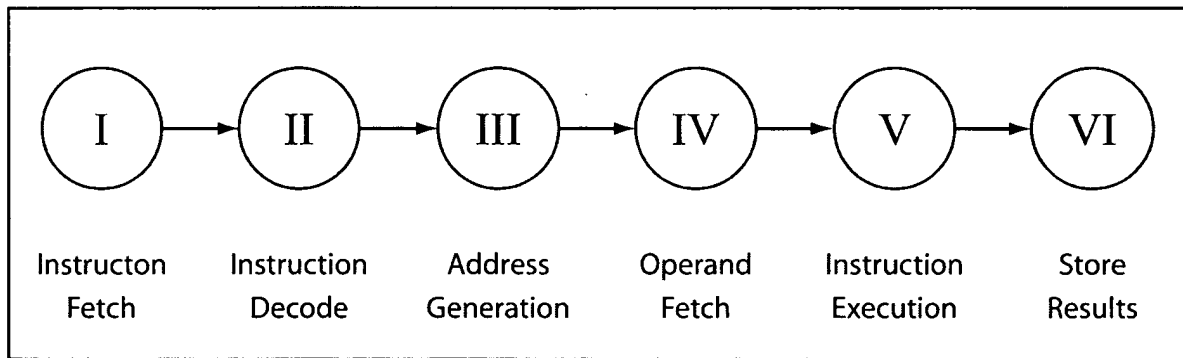


FIG. 1A

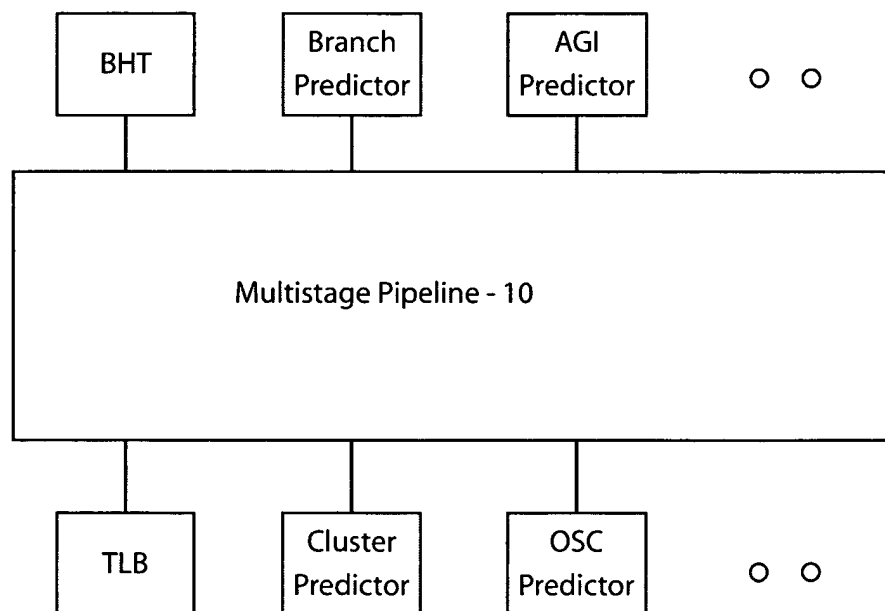


FIG. 1B

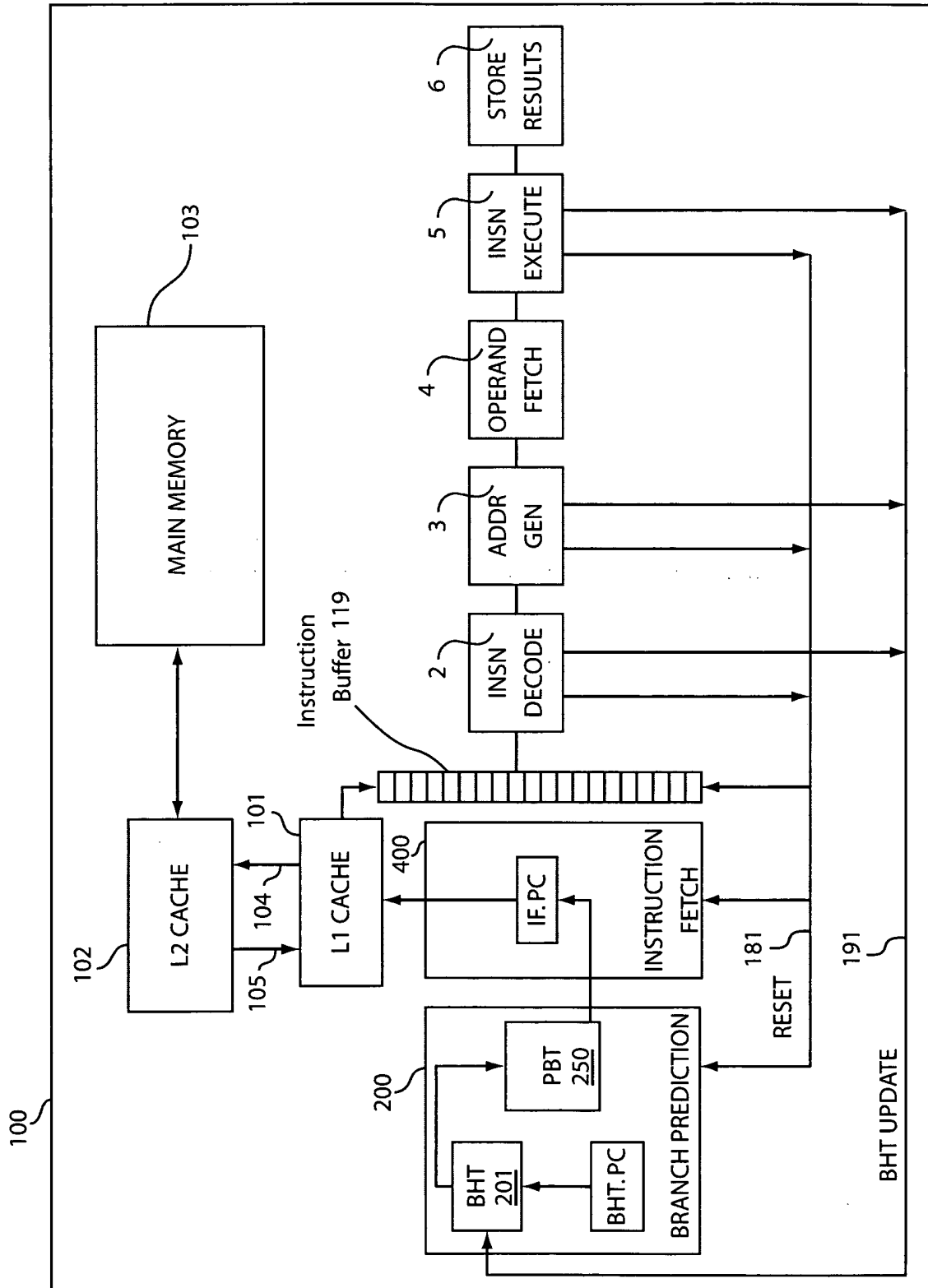


FIG.2

Branch History Table - 201

Branch Instruction Address - 202	Target Address of Branch - 204

FIG.3

## Branch Prediction Mechanism - 200

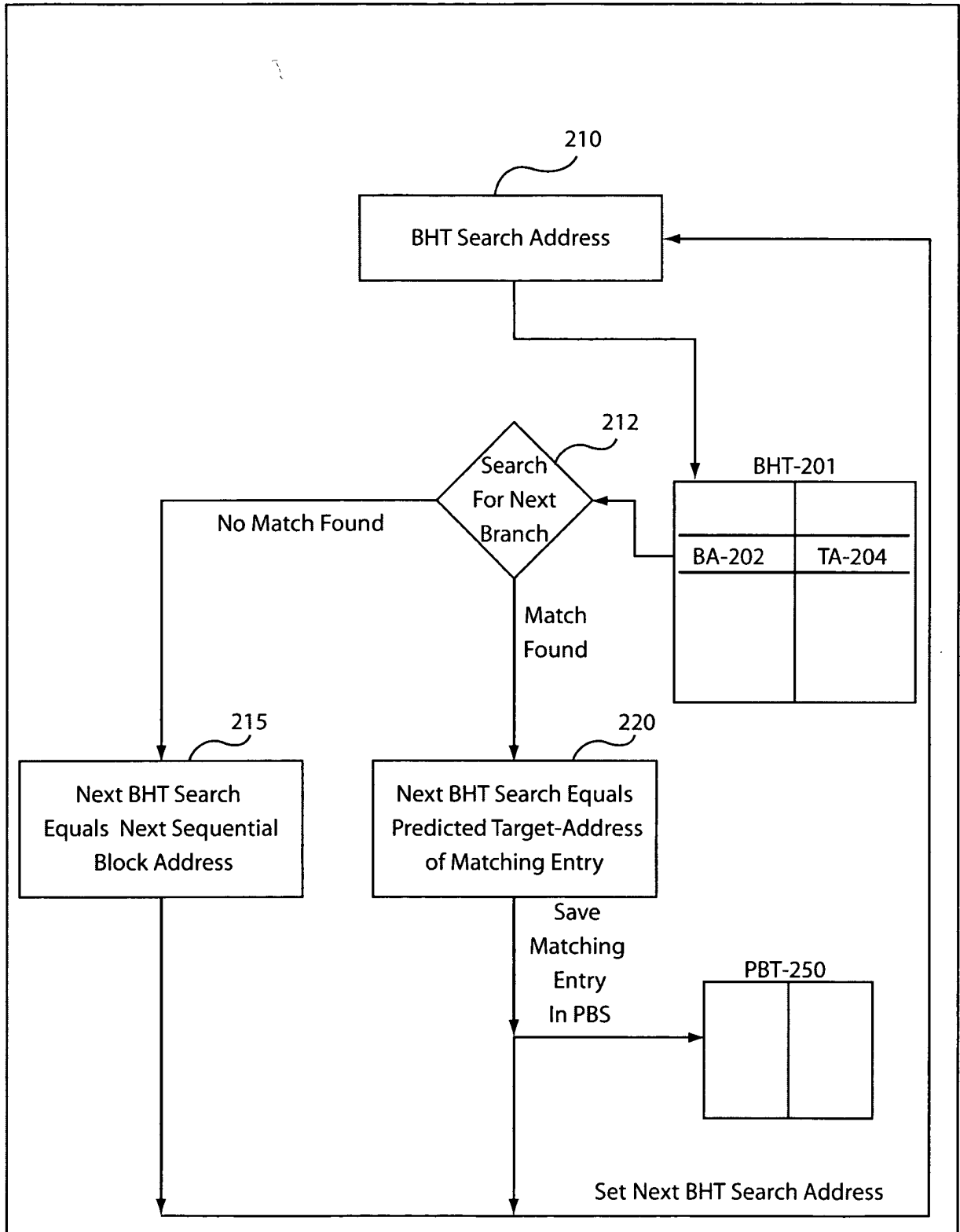


FIG.4

Predicted Branch Table - 250

Instruction Address Of Next Taken Branch (Predicted) - 252	Target Address Of Next Taken Branch (Predicted) - 254

### Instruction Fetch Mechanism - 400

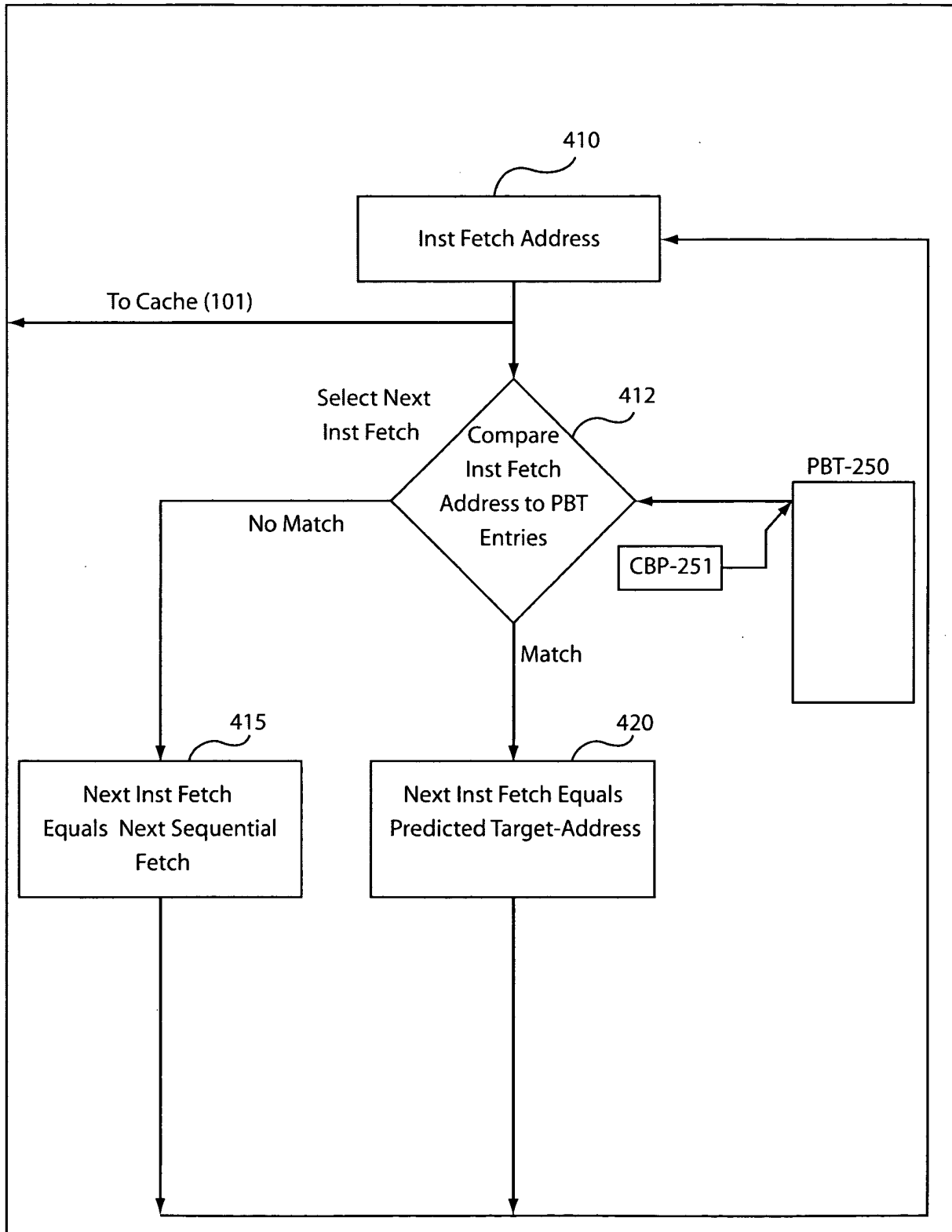


FIG.6

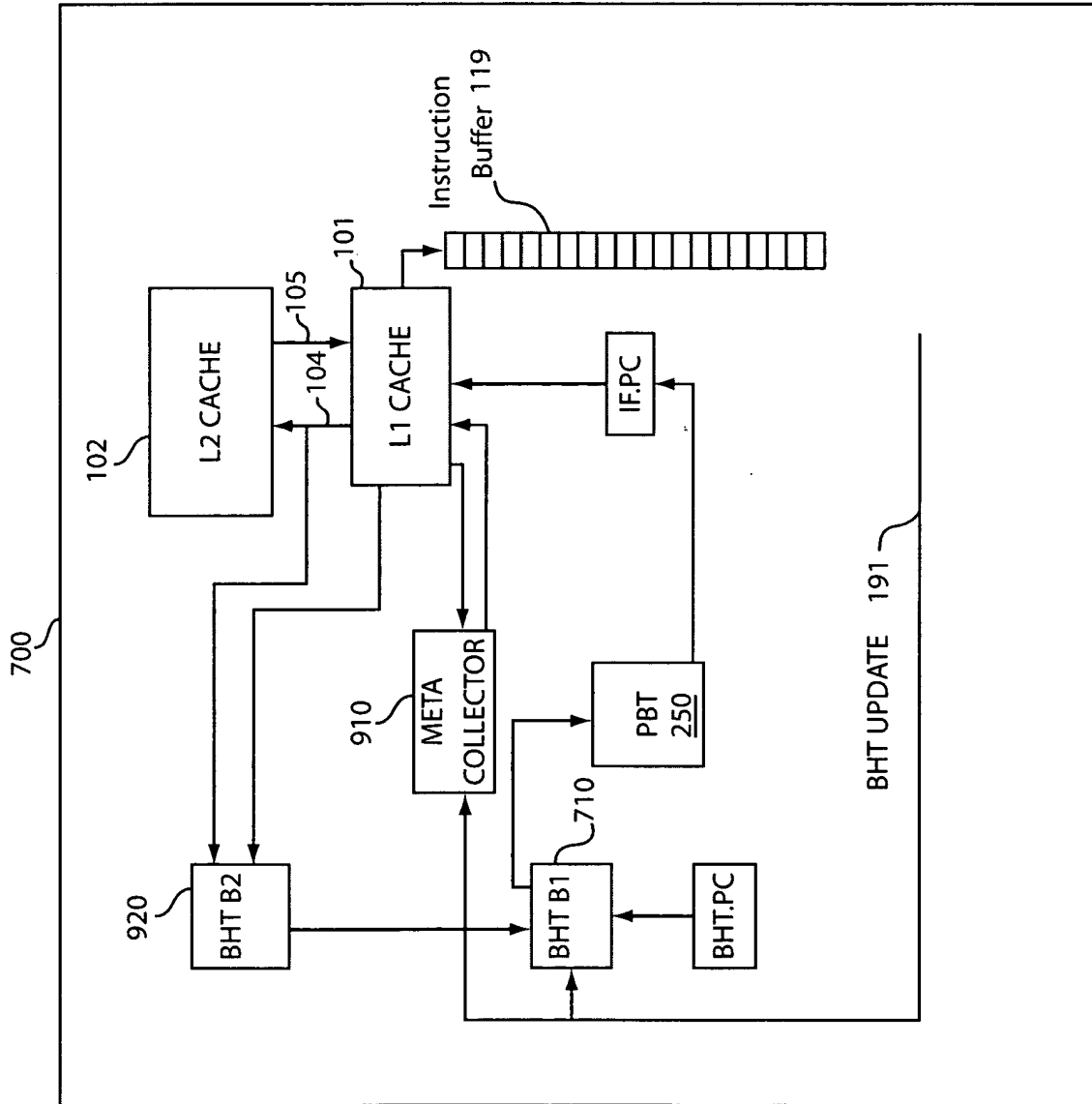
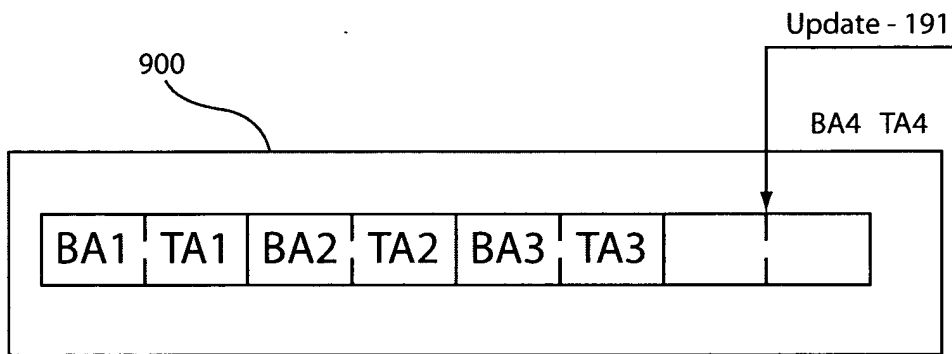


FIG. 7



BA1, BA2, BA3, and B4 are distinct and in program order

FIG. 8



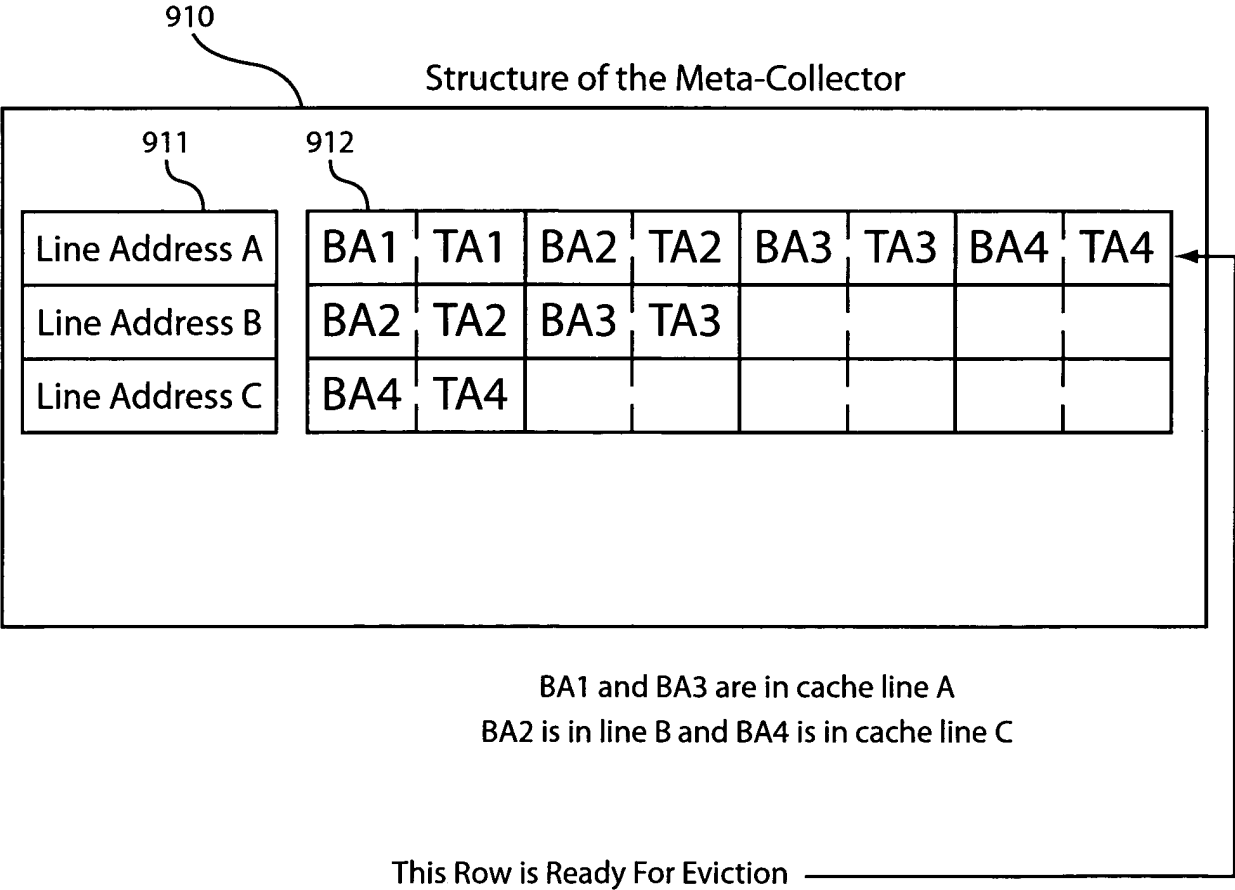


FIG. 9

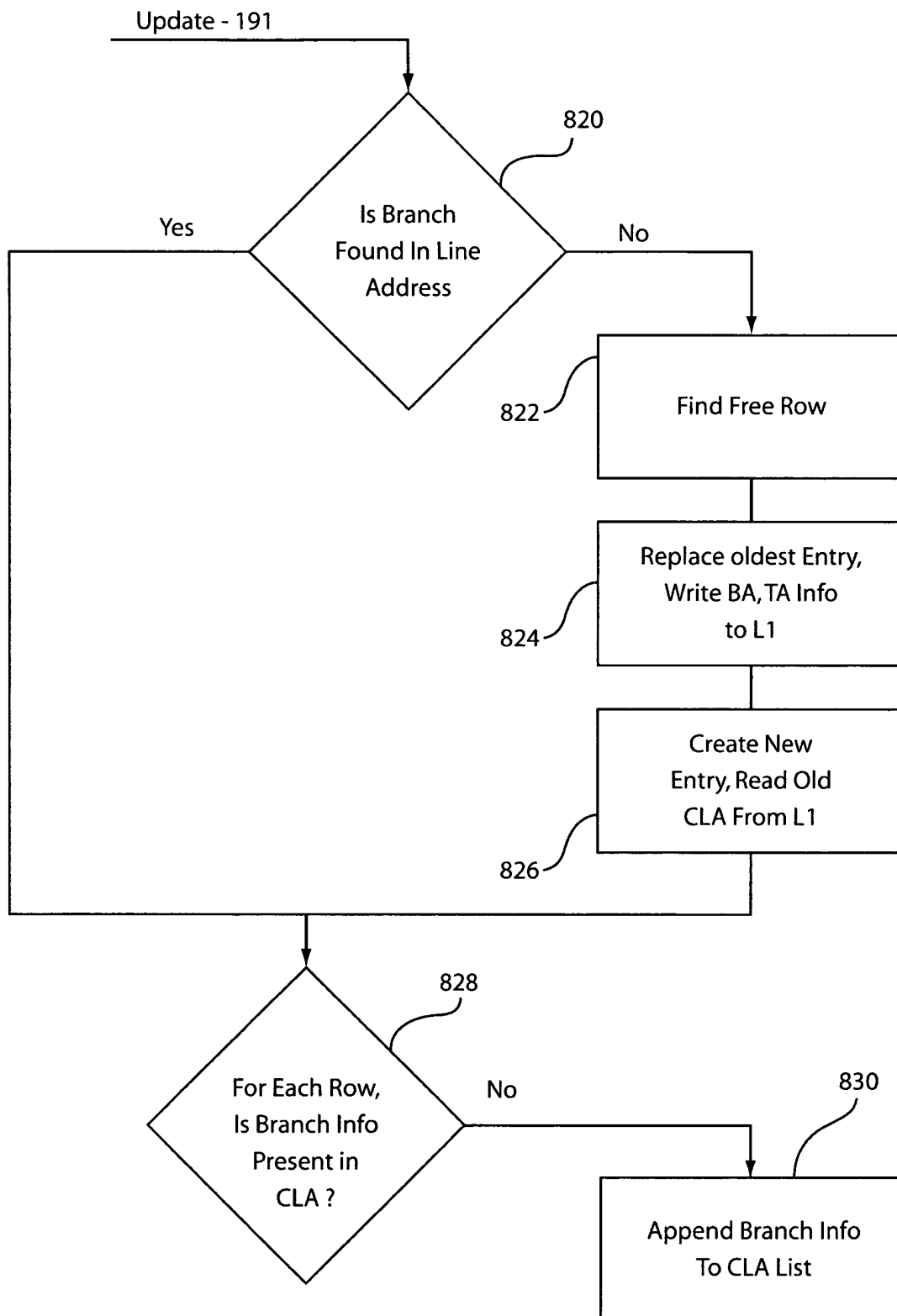


FIG. 10

Structure of B2 920

Line Address - 921	Context Look Ahead - 922

FIG. 11

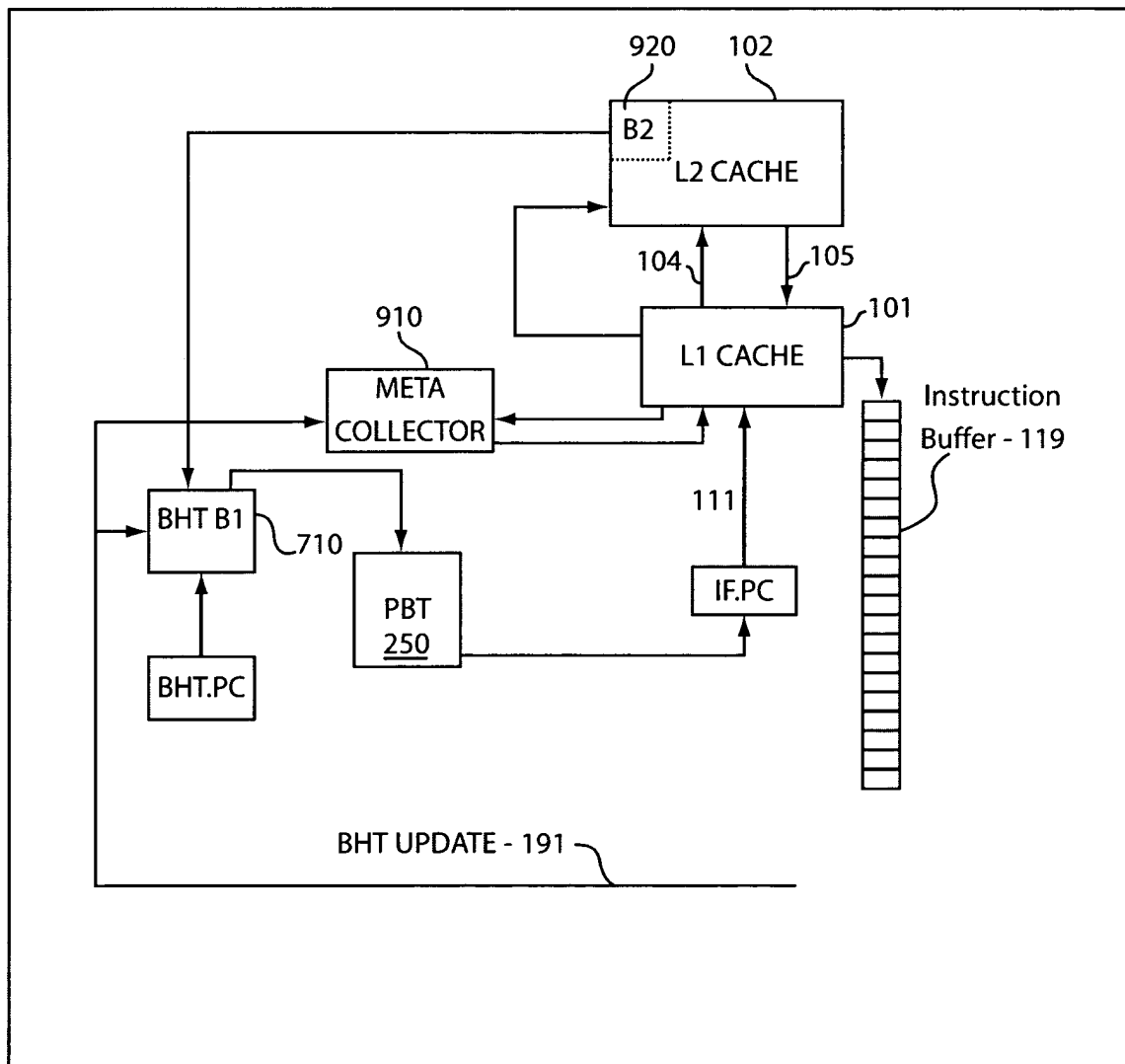


FIG. 12

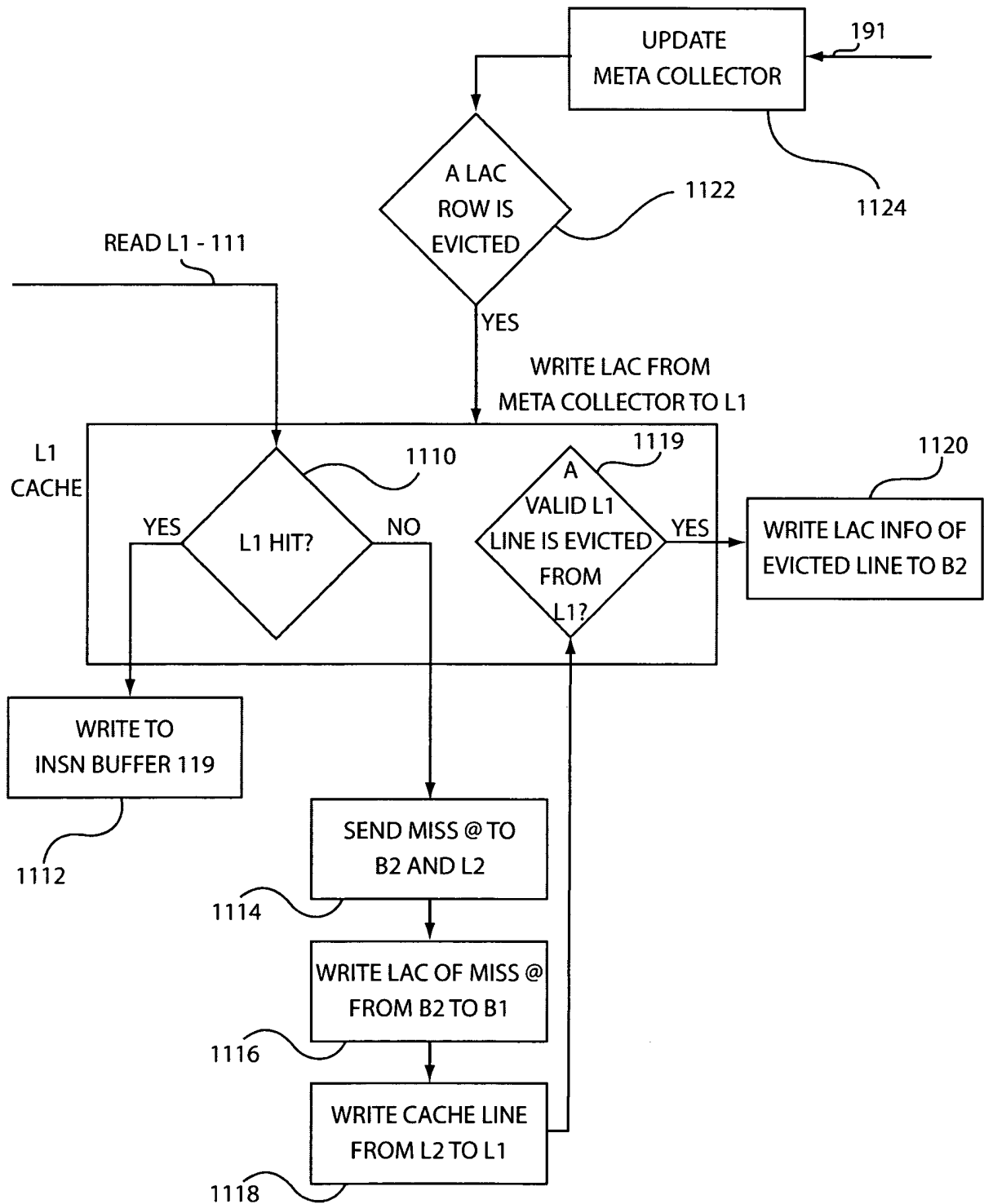


FIG. 13

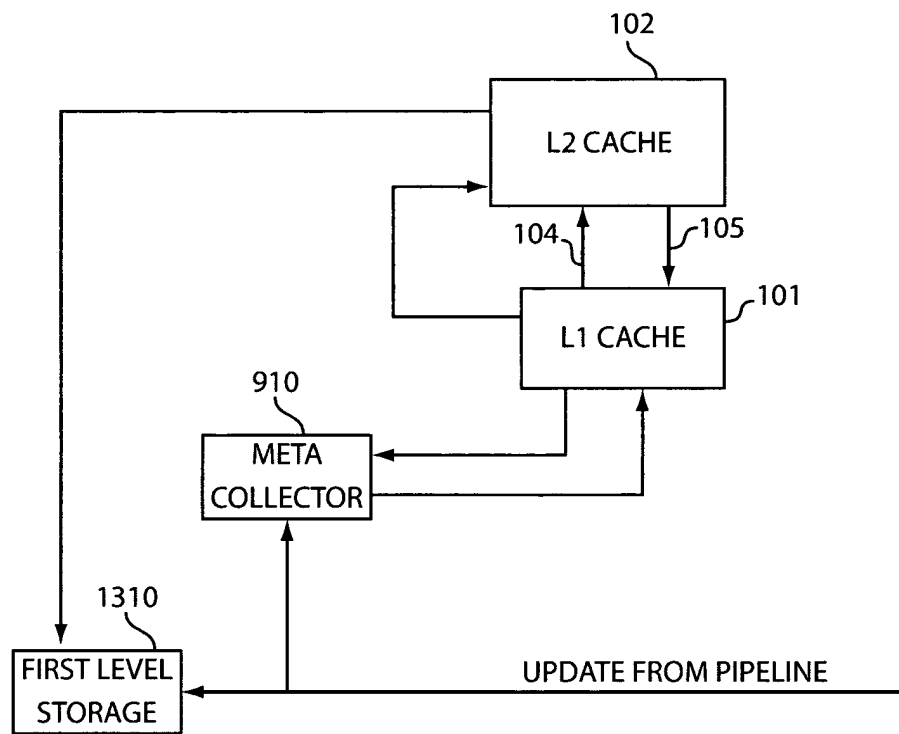


FIG. 14

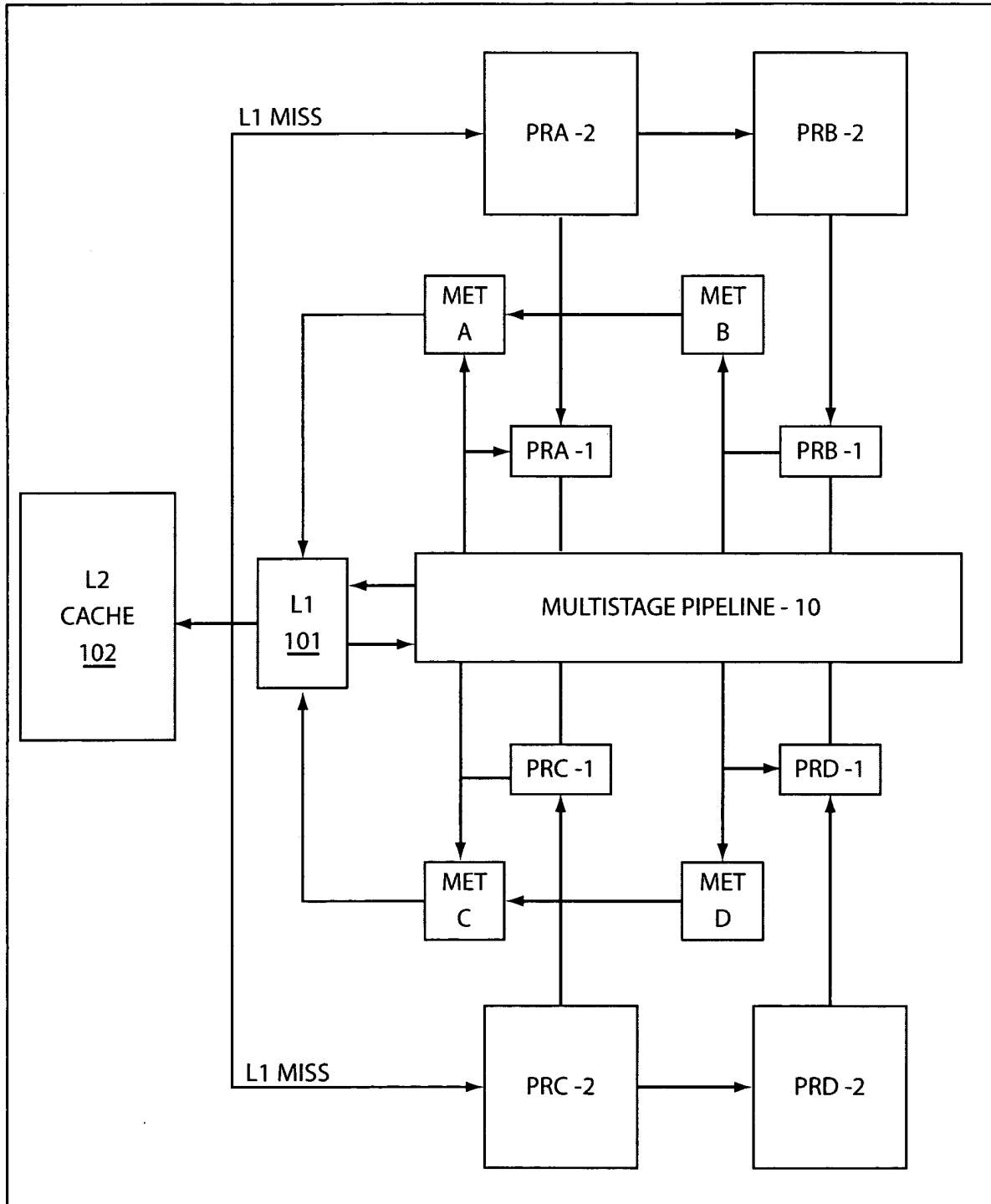


FIG. 15